

19990927.qrp v01_n591.qrl.990927

Date: Mon, 27 Sep 1999 19:03:04 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1591

QRP-L Digest 1591

Topics covered in this issue include:

- 1) [51377] 10 M beacons
by wj5o@juno.com
- 2) [51378] Alpha-Delta Antennas
by "Mike Martin" <mmartin@internetni.com>
- 3) [51379] Re: 28,240KHz n0tu/bcn 16-2400utc 9/26 today!
by "Nick Kennedy" <nkennedy@cswnet.com>
- 4) [51380] Re: 28,240KHz n0tu/bcn 16-2400utc 9/26 today!
by "Steve Sorrell" <ap036@detroit.freenet.org>
- 5) [51381] FS: MFJ 411 Personal Code Practice Tutor
by Michael Bower <bowerm@ix.netcom.com>
- 6) [51382] UPDATE Re: inside or out?
by GE1am30092@aol.com
- 7) [51383] aluminum antenna tubing connector grease??
by "Dave Benham" <dodgeboy@mindspring.com>
- 8) [51384] Best way to clean up an old aluminum antenna?
by "Dave Benham" <dodgeboy@mindspring.com>
- 9) [51385] NJQRP @ SJRA hamfest - kinda long
by Joe Everhart <n2cx@voicenet.com>
- 10) [51386] Re: aluminum antenna tubing connector grease??
by "William R. Colbert" <af852@rgfn.epcc.edu>
- 11) [51387] OT '99 TAPR/ARRL Digital Communications Conference
by Brian Short <bshort@speedchoice.com>
- 12) [51388] Re: Best way to clean up an old aluminum antenna?
by "Larry Przyborowski" <lprzyski@erols.com>
- 13) [51389] Sale items repost last time
by "Brian Olson" <brolson@ties.k12.mn.us>
- 14) [51390] Need 6V, 5AH Battery
by "Mike Rhodes" <weightdn@bright.net>
- 15) [51391] K7QO es W5JAY QSO on 20m
by "Chuck Adams, K7QO" <k7qo@hotmail.com>
- 16) [51392] re:HF Transceiver Product Review/Comparison Summary
by Paul Erickson <paule@sfu.ca>
- 17) [51393] Wanted
by tom whalen <wb5qyt@eFortress.com>
- 18) [51394] 10 meters.....HOT!
by tom whalen <wb5qyt@eFortress.com>
- 19) [51395] TT Argo 505 info

- by tom whalen <wb5qyt@eFortress.com>
- 20) [51396] 35mm antenna tuner
by tom whalen <wb5qyt@eFortress.com>
- 21) [51397] Schurr "Einbau Wabbler" for sale, \$100.
by Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
- 22) [51398] Trade
by tom whalen <wb5qyt@eFortress.com>
- 23) [51399] Test
by "Ron Giuntini" <rong@slip.net>
- 24) [51400] Re: Trade
by Terry Bendell <terryb@bmts.com>
- 25) [51401] Re: 35mm antenna tuner
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 26) [51402] Re: 10 meters.....HOT!
by Bob Patten <n4bp@bc.seflin.org>
- 27) [51403] W5JAY & KI6DS 1,463,000 miles per Watt on 20 M
by Doug Hendricks <ki6ds@dospalos.org>
- 28) [51404] capacitor value
by "Harvey D Winters" <ve1hdw@istar.ca>
- 29) [51405] re: random wire vertical
by neil tanner <ntan@crosslink.net>
- 30) [51406] 10 Meters is Dead? In What Universe??
by wb2vuo@juno.com
- 31) [51407] Re: aluminum antenna tubing connector grease??
by "Chuck Carpenter" <w5usj@globeco.net>
- 32) [51408] Re: Capacitor Identification
by wa8rxi@juno.com
- 33) [51409] Re: HF Transceiver Product Review/Comparison Summary
by Bruce Muscolino <w6toy@erols.com>
- 34) [51410] Re: 15m Homebrew
by "Donny" <dsirait@centrin.net.id>
- 35) [51411] DX...he's lookoing for Mt, Id, Wy, and Ut.
by Clifton W Sikes <ab5uacw@juno.com>
- 36) [51412] Re:n0tu/beacon ...Thanks!
by "Steve/n0tu" <n0tu@webaccess.net>
- 37) [51413] DCTL REPORT-FINAL
by ARDUJENSKI@aol.com
- 38) [51414] home-made keyer / paddle
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 39) [51415] RE: home-made keyer / paddle
by Dave Barrett <DBarrett@creo.com>
- 40) [51416] DCTL SITE
by ARDUJENSKI@aol.com
- 41) [51417] Shielded loop, how do it do it?
by bcutter@teal.csn.net (Bob Cutter)
- 42) [51418] TT2/MRX for Pacificon: slight error in documentation
by Allan G Taylor <k7gt@arrl.net>
- 43) [51419] JR7HAN needs 30m SST/similar rig

- by Allan G Taylor <k7gt@arrl.net>
- 44) [51420] Re: Shielded loop, how do it do it?
by Lee Bahr <bahr521@earthlink.net>
- 45) [51421] Re: 15m Homebrew
by "Edward A Kwik jr" <eakwikjr@hti.com>
- 46) [51422] Re: Shielded loop, how do it do it?
by Chris Trask <ctrask@primenet.com>
- 47) [51423] Joe Everhart, N2CX, Pacificon Speaker
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 48) [51424] Re: home-made keyer / paddle
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 49) [51425] decibel
by Anthony Felino <anthony@pacinfosb.com>
- 50) [51426] Iowa QRP Club at West Liberty Hamfest October 2, 1999
by "John Burnley" <burnleyia@home.com>
- 51) [51427] SW Convention
by Marv Fagenson <k6hcj@juno.com>
- 52) [51428] Milliwatters on 20m
by "Chuck Adams, K7Q0" <k7qo@hotmail.com>
- 53) [51429] Help
by william h ross <k6mgo@juno.com>
- 54) [51430] Tuner in a bottle....pill that is!
by tom whalen <wb5qyt@eFortress.com>
- 55) [51431] Pill bottle tuner
by tom whalen <wb5qyt@eFortress.com>
- 56) [51432] Re: Help
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 57) [51433] RE: Help
by "Ed Tanton" <n4xy@att.net>
- 58) [51434] QRP QSO's; K2 Power Output fix; Trbl shooting tips & RF Probe.
by Ed Loranger <we6w@qsl.net>
- 59) [51435] Bencher, Inc.
by charles k brown <n4so@juno.com>
- 60) [51436] RF Transistors- 2SC1969
by charles k brown <n4so@juno.com>
- 61) [51437] Jackson Harbor Keyer Kits
by charles k brown <n4so@juno.com>
- 62) [51438] Re: Help
by "Radman" <radman@best.com>
- 63) [51439] RE: Joe Everhart
by N10DL@aol.com
- 64) [51440] Re: 2SC transistors
by RangerSF5@aol.com
- 65) [51441] QQ
by "Norman A. Jackson" <nvj@megalink.net>
- 66) [51442] Help
by Bob Patten <n4bp@bc.seflin.org>
- 67) [51443] F2 openings on 6 meters

by jaywa5whn@juno.com

68) [51444] Of keys, paddles, and keying modes.
by Ed Loranger <we6w@qsl.net>

69) [51445] Re: Help
by "Radman" <radman@best.com>

70) [51446] Re: Joe Everhart, N2CX, Pacificon Speaker
by GE1am30092@aol.com

71) [51447] Help
by william h ross <k6mgo@juno.com>

72) [51448] Fireball Contest -- 1 QSO.
by Ed Loranger <we6w@qsl.net>

73) [51449] Re: Of keys, paddles, and keying modes.
by "Bill Todd" <zapzap73@hotmail.com>

74) [51450] Fw: Of keys, paddles, and keying modes.
by william h ross <k6mgo@juno.com>

75) [51451] Re: Holiday Milliwatt contest - Rules
by Larry Cahoon <wd3p@juno.com>

76) [51452] Re: Of keys, paddles, and keying modes.
by "Bill Todd" <zapzap73@hotmail.com>

77) [51453] Patcomm 9000
by <SFIKE@twa.com>

78) [51454] Re: Of keys, paddles, and keying modes.
by David Hinerman <dlh1009@ritvax.isc.rit.edu>

79) [51455] West Liberty Hamfest Correction
by "John Burnley" <burnleyia@home.com>

80) [51456] Re: Of keys, paddles, and keying modes.
by Ed Loranger <we6w@qsl.net>

81) [51457] Poor Man's Paddle (advertisement)
by "Dennis Payton" <dpayton@fwi.com>

82) [51458] Re: DX...he's lookoing for Mt, Id, Wy, and Ut.
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>

83) [51459] OT: Blowing one's own trumpet
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>

84) [51460] Painting Success story.
by Ed Loranger <we6w@qsl.net>

85) [51461] Re: Milliwatters on 20m
by "Steve Yates, AA5TB" <aa5tb@swbell.net>

86) [51462] capacitive touch paddles
by "Dieter Gentzow WB8QYY" <wb8qyy@one.net>

87) [51463] Re: Of keys, paddles, and keying modes.
by igeq100@iupui.edu

88) [51464] Re: Fw: Of keys, paddles, and keying modes.
by Michael Bower <bowerm@ix.netcom.com>

89) [51465] re: random wire vertical (more)
by David Gauding <david.gauding@bbs.galilei.com>

Date: Sun, 26 Sep 1999 18:04:12 cdt
From: wj5o@juno.com
To: TENTEN-L@LEHIGH.EDU, QRP-L@LEHIGH.EDU
Cc: wj5o@juno.com
Subject: [51377] 10 M beacons
Message-ID: <19990926.180413.-846461.4.WJ50@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Good Sunday for propagation on ten. 26 Sept 99
In the past 10 minutes I have logged 10 beacons all 559 to 599+
23:00 Z
NQ2RP/B
K5AB/B
VA3SRC/B
KA1NSV/B
N2VMF/B
N3BUB/B
KC4DPC/B
VA3GRR/B
KB3BOE/B
VA2MGL/B

How's that for a propagation improvement?

73 Bill "Sparkling City by the Sea" WJ50/B 28.289MHz
 Corpus Christi, Texas

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Sun, 26 Sep 1999 18:28:30 -0500
From: "Mike Martin" <mmartin@internetni.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [51378] Alpha-Delta Antennas
Message-ID: <000201bf0876\$dcbcff40\$469de3cf@mmartin>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I was wondering if anyone on the list has had much experience with the
Alpha-Delta DX-CC antenna. Is it a cloud-burner, wire dummy load, or decent

antenna? I only have room for one outside antenna and balanced-line fed antennas don't work well for my qth. Any comments off-group would be appreciated.

Mike KA9LYY

Date: Sun, 26 Sep 1999 18:28:14 -0500
From: "Nick Kennedy" <nkennedy@cswnet.com>
To: <n7dw@garlic.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [51379] Re: 28,240KHz n0tu/bcn 16-2400utc 9/26 today!
Message-ID: <000401bf0876\$cf153560\$527154d8@big>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Boy, this beacon stuff is really something. It's an opportunity to see if you can really hear something 1 dB above imagination, as we were discussing in another thread.

I THINK I heard both beacons. They were so weak I could catch a letter or two as condx peaked, then nothing and wait for a repeat of the transmission. If I hadn't know the exact frequency to listen on, I'd have tuned by a hundred times and not heard a thing.

72,

Nick, WA5BDU
in Arkansas with a 180 foot cf zepp.

-----Original Message-----
From: Russ Dow <n7dw@garlic.com>

>Hi Steve,
>
>I didn't hear your beacon, but did hear AB8Z/B on 28240.
>

>Steve/n0tu wrote:
>
>> For those interested, I'm running a QRPP beacon on 10m today.
>> I can hear several east cost beacons right now(1600utc).
>>

>> Call: n0tu/bcn
>> Freq: 28,240 KHz or so?
>> Time:16-2400utc 9/26
>> Pwr: 250Mw
>> Ant: 800' loop@40' - yes it's horizontal! <g>

Date: Sun, 26 Sep 1999 23:41:47 +0100
From: "Steve Sorrell" <ap036@detroit.freenet.org>
To: <n4bp@bc.seflin.org>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [51380] Re: 28,240KHz n0tu/bcn 16-2400utc 9/26 today!
Message-ID: <026d01bf0870\$53072600\$d742b3c7@sorrells>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Forget the beacons and call CQ!
de Steve, W8SFF

Date: Sun, 26 Sep 1999 20:06:18 -0400
From: Michael Bower <bowerm@ix.netcom.com>
To: qrp-1 <qrp-1@lehigh.edu>
Subject: [51381] FS: MFJ 411 Personal Code Practice Tutor
Message-ID: <37EEB4FA.1854D4D4@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This is the MFJ 411 Code Practice Tutor. Works on an internal 9v battery (supplied). Letter sets, number sets, prosigns, random QSO, random words
Allows speed settings from 5-60 wpm, Farnsworth or Normal, New Play or Repeat Play (for checking your copy). More details on MFJ page (<http://www.mfjenterprises.com/keyers/mfj411.html>)

Asking \$40 including USPS Priority shipping in US. Elsewhere enquire first about shipping.

Michael - N4NMR

Date: Sun, 26 Sep 1999 20:17:30 EDT
From: GElam30092@aol.com
To: cliffdwellers@qth.net, qrp-1@lehigh.edu
Subject: [51382] UPDATE Re: inside or out?
Message-ID: <e171658d.2520119a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

In a message dated 9/25/99 1:16:14 PM US Mountain Standard Time, GElam30092 writes:

<< My two choices for a dipole are the attic (difficult since access means crawling horizontally down through the trusses which are 2x4 on 16 inch centers or putting the antenna under the eaves which will hide the majority of it. >>

I decided to put it under the eaves based on several inputs from you folks. Thanks to all who took time to respond! I really do appreciate it!

Success? A little. I worked an operator in Tennessee on 10M and one in Washington State on 15M.

Surprises? One huge one for me anyway. I built a ZM-2 tuner and hadn't really had a chance to really use it yet. I just finished a K2 last weekend and this was the first chance to use the radio, the tuner and the antenna. WOW..... is the ZM-2 sharp on the edges! At one point, the light is on and then an ever-so-slight tweak and the light goes off. Between it and the K2, I really have a nice set of KillerZ's..... (I know .. corny! But remember when you finished a couple o' projects and made your first contacts! Excellent fun!) I was able to tune 40, 15 and 10 w/ no problems!

Thanks for all the assistance and advice.
Gerry
PHX AZ

Date: Sun, 26 Sep 1999 20:22:26 -0400
From: "Dave Benham" <dodgeboy@mindspring.com>
To: <qrp-1@Lehigh.EDU>
Subject: [51383] aluminum antenna tubing connector grease??
Message-ID: <013b01bf087e\$60d77e20\$3e0f8ad1@hqa.chrysler.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've heard that there is some sort of grease stuff that can be used between the sections of antenna tubing that is conductive and provides some non-corrosive protection. When I was a kid, many moons ago, Mosley used to have some stuff which looked like graphite grease, but I never knew what it was or where else you could get it.

Is there something available now that electricians use or that can be obtained at a good hardware store? I have an old 10M Ringo that I want to take apart and clean up before the snow flies and this stuff would help. I would like some tips on cleaning up the old antenna too, but I think I'll do that in a separate post. Hope this isn't too far off topic.

By the way, thanks to all who helped me with the Dentron Mini MLX 80. This group is great!

Dave K8TRF

Date: Sun, 26 Sep 1999 20:25:19 -0400
From: "Dave Benham" <dodgeboy@mindspring.com>
To: <qrp-1@Lehigh.EDU>
Subject: [51384] Best way to clean up an old aluminum antenna?
Message-ID: <014101bf087e\$c82a9a80\$3e0f8ad1@hqa.chrysler.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What is the best way to clean up an old aluminum antenna? I have an old 10M Ringo I want to dismantle and clean up before winter. I've done this type of project before and it is always pretty nasty -- aluminum oxide is messy to deal with. Is Aluminum Jelly the best thing to use, or steel wool, or...???

Thanks in advance,

Dave K8TRF

Date: Sun, 26 Sep 1999 20:29:15 -0400
From: Joe Everhart <n2cx@voicenet.com>
To: njqrp@njqrp.org
Cc: qrp-1@Lehigh.EDU
Subject: [51385] NJQRP @ SJRA hamfest - kinda long
Message-ID: <199909270029.UAA53288@nss4.cc.lehigh.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Group,

The NJQRP group was well-represented at yesterday's South Jersey Radio Association Hamfest in Mt Holly (southern) NJ. the weather cooperated very well for our club station setup run out in the tailgate area by Ken, N2CQ.

Ken ran his Fireball 40 rig in the club-sponsored Frieball Sprint. Even with a modest antenna - a 67 foot end-fed wire supported between two Black Widow poles - he managed to work every other FB40 heard from the East Coast. Thanks a million, Ken!

I'm constantly amazed how few hamfests (at least those on the east coast) have on-the-air setups. It's really neat to see them and we drew lots of attention. Even the QRO operators are impressed at seeing a small battery-powered station make easy QSO's with minimalist antennas. A number of folks inquired where they could get the Black Widows for their own field operation. Cabelas is going to have another run on them!

Alas participation in the event was light. We'll have to make a bigger push for the next one, probably some time shortly after the FB40 SOP receiver becomes available in October.

Tony, W2GUM brought a very nice club banner that his wife Clara thoughtfully made for us so that all would know who we were! Space limitations prevented us from using Tony's array of cleverly constructed antennas. He did however erect his 30 foot fiberglass pole with, what else, one of his custom tilted over bases. That guy is amazing! We really have to write up some of his designs and share them with the QRP community.

In addition to the on-the-air setup, we had two tables of show and tell stuff, primarily handiwork of Skip N2EI. He had a number of "flavors" of Fireball 40 rigs in addition to other Altoids-tin packaged doodads among which was at least a free-standing keyer. The excellent location we had drew a constant stream of interested folks. And we handed out a bunch of info fliers that may result in new subscribers to the NJQRP and qrp-l reflectors. Sometimes ya gotta feel like a missionary. :-)

Joe, N2CX presented a talk on QRP contesting to a small but interested group inside. The topic included info on operation skills peculiar to QRP contesting, a review of "mainstream" contests along with some of the more prominent QRP events and discussion of some other non-operating QRP competitions. A copy of the viewgraphs from the talk should be available in the near future on the NJQRP web page. Many thanks to George, N2APB who made up the slides even tho business commitments

kept him from attending. Long live e-mail to exchange PowerPoint slides!

A short question and answer period after the talk showed the interest folks have in learning more about QRP equipment and operation. There were also some questions about Pacificon - more folks probably coming!

Now for the dangerous part of this report - the attendee list.

Those who signed the sheet at the presentation were:
Butch - W2UGH, Don - WB2GFO, Al - K2DHW, Herb - K2HPV, Bill - W2DP, Mike - KB2RHI, Mike - KA2BIQ, Daniel - KC2ELC, Mike - WA2ABF and John - KH7T (from Hawaii, no less!) I know there were several other QRP'ers in attendance including Ken - N2CQ, Tony - W2GUM and his sidekick David WA2DJN, Skip - N2EI, David - N2ZHT, Ed - W2MGM along with his wife Lillian and Joe - N2CX. I'm sure I have forgotten someone so please post your name if you were there so that we have a complete record.

OK now back to the real world... Tomorrow it's off to the salt mines.
:-(

72/73,

Joe E., N2CX

Date: Sat, 25 Sep 1999 10:30:22 -0600
From: "William R. Colbert" <af852@rgfn.epcc.edu>
To: dodgeboy@mindspring.com, qrp-1@lehigh.edu
Subject: [51386] Re: aluminum antenna tubing connector grease??
Message-ID: <37ECF89E.AF7110C1@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

There are several but the one I use is No-Ox which is a green substance and works very well with my verticals, where it is exposed, it does collect dirt well, but keeps the contact between the elements and allows the separation. The electric company also uses it when connecting their copper and aluminium ground wires together. Any (or most) electrical supply house should have it.

73

Ray

--

"Politicians are like nappies. Both should be
changed regularly -- and for the same reason"
"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NCT2
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

Date: Mon, 27 Sep 1999 00:51:32 +0000
From: Brian Short <bshort@speedchoice.com>
To: qrp-1@lehigh.edu
Subject: [51387] OT '99 TAPR/ARRL Digital Communications Conference
Message-ID: <4.1.19990927005117.0486a8e0@mail.phoenix.speedchoice.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

'99 TAPR/ARRL Digital Communications Conference

The '99 TAPR/ARRL Digital Communications Conference
has come and gone from Phoenix.

Since the Conference Hotel was a mere 10 miles away,
I was able to attend this year and I was there almost
from start to finish.

On Friday, I was pleased to hear all about the latest in
APRS developments from the developers themselves
including Bob Bruninga (DOS) and Keith Sproul (Mac
and Win as well as the new X-APRS). Also represented
was APRS+SA (using Street Atlas Maps). Steve
Dimse proposed a new XML server for APRS data.

If anything, APRS was quite well represented at this
conference both on Friday and in the main paper sessions
on Saturday. The PIC microcontroller was another common
theme throughout.

Other interesting topics (to me) included Johan Forrer's
presentation of of Recent Developments in HF Digital
Communications including PSK-31, C-BPSK, MT63,
MT HELL, Q15X25, and Digital Speech.

The TAPR web site www.tapr.org will have the audio etc.
and the Proceedings obviously are a source for the papers.

Spread Spectrum, the International Space Station, Regulatory

Updates and other issues were also discussed.

Also announced was the creation of 2 ARRL committees (a task force and a working group) to attempt to push technology issues to the ARRL BOD where it was stated something has long been missing and/or severely over filtered.

In the MISC category, John Hansen announced at the PIC seminar on Sunday that he will have a Dec 99 article in QST detailing a direct frequency entry keypad for the ubiquitous Icom 706.

It was an enjoyable weekend (for me).

73, Brian K7ON (I just attended and NOT affiliated with this event)

--

Brian K. Short <http://www.qex.net/k7on/> <mailto:k7on@arrl.net>

--

Date: Sun, 26 Sep 1999 21:08:35 -0400

From: "Larry Przyborowski" <lprzybski@erols.com>

To: <dodgeboy@mindspring.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [51388] Re: Best way to clean up an old aluminum antenna?

Message-ID: <000701bf0884\$d40eaca0\$7286accf@k3peg>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Dave K8TRF wrote:

> What is the best way to clean up an old aluminum antenna? > Thanks in advance.

Well, I've had good results using Brillo pads with a small amount of water to keep them moist. However, the best cleaning resulted from using steel wool (fine to medium grade) along with, and get this, any polishing creme compound used for fibreglass boats. Don't know why, but it does the job the best! And, I found this out by experimentation. I cleaned up an old Hy-Gain 2 element, tri-band quad using this method years ago...it does require a bit of work though. Your're right about it being messy. Be sure to wear rubber gloves!

To preserve the aluminum after cleaning I wipe it down with an alcohol soaked rag, followed up with drying, and I then coat the aluminum with

Krylon clear spray (after the antenna's reassembled and tuned).
I'll be applying that very procedure this week as I bought a used HyGain
TH-3 jr at the FAR fest in Bowie, MD today.

72/3 es good DX de Larry - K3PEG -.-

Date: Sun, 26 Sep 1999 20:38:50 -0000
From: "Brian Olson" <brolson@ties.k12.mn.us>
To: <qrp-1@Lehigh.EDU>
Subject: [51389] Sale items repost last time
Message-ID: <NDBBJPBMGLKJGANKJAEJIEBOCBAA.brolson@ties.k12.mn.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ok,

Must have been off on prices so:

HW-9 good condition includes WARC bands \$200.

HM-9 Wattmeter set for VHF (how many people keep quiet on
on that point?) needs conversion for HF.

These are items I would keep but have another radio that meets
requirements better. Operate outdoors all weather/conditions and need fast
set up and take down. Last post on these. Brian Olson N0XFE Bloomington,
MN.

Date: Sun, 26 Sep 1999 21:54:02 -0400
From: "Mike Rhodes" <weightdn@bright.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [51390] Need 6V, 5AH Battery
Message-ID: <012901bf088b\$2e634fc0\$be2d8fd1@weightdn>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I know its been covered a million times but I didn't need the info then
(geez, does that sound familiar...). I need a source for two Panasonic LCR
6V5P, sealed lead acid battery (or equiv). Please email me direct with your
favorite low-priced source.

Thanks and 72 de

Mike / W8DN

Date: Sun, 26 Sep 1999 19:07:16 MST
From: "Chuck Adams, K7Q0" <k7qo@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [51391] K7Q0 es W5JAY QSO on 20m
Message-ID: <19990927020716.9954.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Gang,

Had just gotten home from Phyllis taking me out to dinner for the birthday and came into the shack to listen to 20m on the DSW-20. I had it on the gel-cell all day trying to figure out why I was only getting 800mW output with the setup.

I was listening on 14.062 and heard Doug, KI6DS, who sounded like a KW here and Jay, W5JAY, trying to work 10mW and lower, but Doug was having trouble and he also had to leave 'cuz JoAnne was taking him over to some friends... Also Jay had someone at the door the same time.

When Doug signed I called Jay and low and behold he came back at the lowest power level he had at 1mW. His 529 and my 559 2xQRP QSO for 6 mins without a missed character on my part. Good job Jay.

What makes this QSO special is not the power level but the fact that Jay and I had been trying to work each other between Ft Smith, AR, and Dallas, TX, for over a year and had no luck.

Thanks Jay for the QSO and high mile per watt value yet to be determined. As soon as I get the other computer online I'll let everyone know, but its gotta be on the order of 1,200,000 mi/watt.

I also heard a K1PD/QRP calling CQ just before you signed with Doug so 20m is hot hot hot. I'm off here and back on the air.

Just a quick report for everyone to get on 20m 9/27/99 0200UTC.

dit dit es cul

Chuck Adams K7QO CP-60 k7qo@hotmail.com <http://www.qsl.net/k7qo>

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Sun, 26 Sep 1999 19:18:55 -0700 (PDT)
From: Paul Erickson <paule@sfu.ca>
To: qrp-1@lehigh.edu (qrp)
Subject: [51392] re:HF Transceiver Product Review/Comparison Summary
Message-ID: <199909270218.TAA17431@fraser.sfu.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Anyone know if this will be publish somewhere where those of us
not members of the ARRL can read it?

cheers, Paul VE7CQK/email: paule@sfu.ca

>
> The ARRL lab has entered the key test results from dozens of the HF
> transceivers into a spreadsheet for easy comparison. This is on the
> MEMBERS-ONLY part of the site.
>
> <http://www.arrl.org/members-only/prodrev/pr-sum/>
>
> See how your equipment compares to others models/brands.
>
> Enjoy,
>
> Bob Helms, AF5Z
> af5z@inetport.com
>
>
>
>

Date: Sun, 26 Sep 1999 19:30:15 -0600
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [51393] Wanted
Message-ID: <37EEC8A7.5368@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

Need a copy of the manual for a MFJ-949B Versa Tuner 11.

Will pay all costs...thanks , Tom WB5QYT..."Have spud will travel!"

Date: Sun, 26 Sep 1999 19:35:11 -0600
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [51394] 10 meters.....HOT!
Message-ID: <37EEC9CF.4820@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

Was on 10 meters quite a bit today. Steve, sorry I read your post about your beacon too late or I would have listened for it...Next weekend maybe.
Worked N4BP Bob on 10. He started out weak during our Q, but listened to him for an hour later and he was 10 over S-9! The band has really been opening up!
Then worked K1JD but some RTTY took him out for most of the Q.

Used the TT 544 and the Argo 505 most of the day...What fun!

Tomorrow Im going to put up a dedicated 10m vertical...probably a half wave.

Most everyone I talked to today was using a K2...Got to get one for myself one of these days. They sure sound good!

72, Tom WB5QYT..."Have spud will travel!"

Date: Sun, 26 Sep 1999 19:39:15 -0600
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [51395] TT Argo 505 info
Message-ID: <37EECAC3.2852@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

Short of sending my Argo 505 back to TT, has anyone on this list worked on the PT0 before? I may try to attempt fixing it myself. What type of coil grease(?), lube(?) does one use?

Thanks in advanceTom WB5QYT..."Have spud will travel!"

Date: Sun, 26 Sep 1999 19:45:45 -0600
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [51396] 35mm antenna tuner
Message-ID: <37EECC49.1557@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

Wondering if anyone on this list tried the 35mm film bottle tuner?

Saw it in CQ mag a few years ago. Think it tunes a half wave antenna if I remember.

May be the way to go for backpacking...72, Tom WB5QYT..."Have spud will travel!"

Date: Sun, 26 Sep 1999 19:42:38 -0700 (PDT)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
To: qrp-l@lehigh.edu
Subject: [51397] Schurr "Einbau Wabbler" for sale, \$100.
Message-ID: <199909270242.TAA00990@netcom2.netcom.com>

Bought a long time ago for a project that's not gonna happen.
Never been operated, just sat in its box.

I'll bring it along to the NorCal meeting next Sunday, and then to

Pacificon, if it's not sold by then.

If you don't know what it looks like, go to
<http://www.mtechnologies.com/schurr/>.

73, doug

Date: Sun, 26 Sep 1999 20:11:45 -0600
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [51398] Trade
Message-ID: <37EED261.45B2@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

I traded for a basket case NCG 15 SB...SSB only. A look alike cb for the 15 meter band. I don't have time to trouble shoot it, and don't have much into it....You fixer upper types out there. Whatcha got to trade?

72, Tom WB5QYT..."Have spud will travel!"

Date: Sun, 26 Sep 1999 20:14:31 -0700
From: "Ron Giuntini" <rong@slip.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [51399] Test
Message-ID: <000501bf0896\$6b6bb280\$3aa598d1@rongiuntini>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Test only

Date: Sun, 26 Sep 1999 23:55:25 +500
From: Terry Bendell <terryb@bmts.com>
To: <wb5qyt@eFortress.com>
Cc: <qrp-1@Lehigh.EDU>

Subject: [51400] Re: Trade
Message-ID: <199909270354.XAA22639@Alice.BMTS.Com>
MIME-Version: 1.0

I used to own one of these Tom, Worked well for me. What seems to be the problem with this one?

I may be interested..
Terry

On 1999-09-26 wb5qyt@eFortress.com said:

>Gang,
>I traded for a basket case NCG 15 SB...SSB only. A look alike cb
>for the 15 meter band. I don't have time to trouble shoot it, and
>don't have much into it....You fixer upper types out there. Whatcha
>got to trade?
>72, Tom WB5QYT..."Have spud will travel!"

Net-Tamer V 1.11.2 - Test Drive

Date: Sun, 26 Sep 1999 22:56:42 -0500
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: wb5qyt@eFortress.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [51401] Re: 35mm antenna tuner
Message-ID: <003b01bf089c\$50222a80\$9037a497@aa5tb>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

G3YCC describes a 35mm film bottle tuner (for an end-fed halfwave) on the following page:

<http://www.homeusers.prestel.co.uk/g3ycc/endfed.htm>

I haven't constructed a halfwave coupler using this method before but I use a similar circuit all of the time and it works great. His design should work fine although I would probably go for an air wound inductor and use a variable capacitor (small trimmer) instead of the old IF transformer with the core material. His design makes for a very small circuit though. One possible drawback (or is it advantage?) is that tuning of his core slug will also vary the coupling as well as resonance. I'm sure once a suitable tap is found for a given antenna it would be okay when you move the antenna somewhere else.

<http://home.swbell.net/aa5tb/halfwave.html>

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://home.swbell.net/aa5tb>

On Sun, 26 Sep 1999, tom whalen wrote:

73,

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
Brass Pounder BBS: (954) 472-7715

Date: Sun, 26 Sep 1999 22:45:21 -0700
From: Doug Hendricks <ki6ds@dospalos.org>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [51403] W5JAY & KI6DS 1,463,000 miles per Watt on 20 M

Message-ID: <01BF0870.D3BCFA40@dialup-06.dospalos.org>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: quoted-printable

Boy am I jazzed. JoAnne suggested (that means insisted to you non =
married guys) that I move my antennas to the back yard today. So, I got =
my 10 foot wooden closet pole, attached it to the side of the house, and =
put my 20 Ft. SD20 fishing pole on top of that. Gave me 29 ft to the =
top. I then put my SL Doublet style 20 meter dipole up oriented N & S. =
You know, the one that uses two strands of flat computer cable, 16.5' =
split for the two legs of the dipole and the other 35 feet or so of =
cable as feed line hooked into a ZM-2 tuner. When I finished, I was =
able to set my station up on the patio, and "she who must be obeyed" was =
happy.=20

I finished right before supper, so turned on the NC20 to warm up, and =
ate dinner. When I came out about 10 minutes later, I heard a CQ on the =
band. It was W5JAY, Jay Bromley in Ft. Smith, AR. We exchanged signal =
reports, he was 579, I got a 599 from him. Then he told me he was =
running 100 mW!! Since I was copying him so well, I suggested that he =
go lower in power. He had to change rigs, and I stood by while he did =
so. Some body sent QRL?? And I replied that the frequency was in use. =
Then Jay came back on and he was weak, but I copied that he had a =
visitor at the door, and he asked me to stand by. At that time he was =
running 1 mW!! I thought he said 10 mW on the air, but he told me on =
the phone later that he was running 1 mW!!!=20

While he was answering the door, some K7 called me, but I didn't pay any =
attention to the call, I was concentrating on trying to hear Jay when he =
came back from answering the doorbell. I told the station the frequency =
was in use. Darn it, how come everytime I try to copy a weak one, =
somebody calls me?? Finally Jay came back and I told him that I had to =
leave, as JoAnne was tapping her foot and looking at her watch, because =
we were 10 minutes late to go visit friends. Gotta watch those XYL's =
when they start tapping their foot and checking their watch.

When I came home from the friends house, guess who sent me email? It =
was Chuck, K7Q0, and he was the K7 who called me!!! I about died. =
Darn, darn, darn. I just didn't pay any attention to the call. What a =
neat thing that would have been to work Jay and Chuck back to back. He =
was loud here.

I am still testing the new antenna, but guys, that flat cable dipole =
works!! I know that some guys posted on the list a couple of weeks ago =
that it was a lousy feedline, but I encourage you to build one and see =
for yourself. Mine works great.

Rich Arland sent me email and suggested a true doublet, which is exactly =
what I am going to build next. But first, I want to have 100 Qso's on =
the new antenna. Dave Gauding, NFOR does that when he tries a new =
antenna, and I think it is a neat way to test them.

So far I have worked Washington, Montana, Kansas, Colorado, Nebraska, =
Arkansas, North Carolina, Pennsylvania and Arizona on the new antler. =
That's 9 states and 9 qso's.

But the neatest qso has to be this evenings with Jay. The 1,463,000 mpw =
is a new record for me. Not too shabby for a wire antenna with flat =
computer cable feedline using a NorCal 20. And I was the one copying =
the 1 mW signal.

Guys get on and operate. Its a blast. Tomorrow I'm gonna be on around =
5:30 PDT looking for K7QO.
72, Doug, KI6DS

Date: Sun, 26 Sep 1999 21:16:53 -0300
From: "Harvey D Winters" <ve1hdw@istar.ca>
To: <qrp-l@lehigh.edu>
Subject: [51404] capacitor value
Message-ID: <000101bf08d3\$56073da0\$0100a8c0@pii333a>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Wondering if someone can tell me the value
of the plate capacitor in the Tempo One
transciver. That is the plate tuning capacitor.

Thanks

Harvey VE1HDW

QRP-Canada # 29
QRP-L #115

Date: Mon, 27 Sep 1999 07:28:40 -0400
From: neil tanner <ntan@crosslink.net>
To: qrp list <qrp-l@lehigh.edu>
Subject: [51405] re: random wire vertical
Message-ID: <37EF54E7.39AA54EC@crosslink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings again-

I'm not sure if my question was understood....my random wire vertical is a random wire, vertical instead of horizontal. I am doing it just like nf0r did in his article in QQ jan. 95. It works great on all bands 40-10. I have used random wires with no ground or counterpoise and have had no problems tuning. I have used random wires with just a ground rod, no problem loading up. But why do I have a problem loading up a "random" wire on the boat? Tnx es 72---Neil wa4chq

Date: Mon, 27 Sep 1999 07:40:24 -0400
From: wb2vuo@juno.com
To: qrp-l@lehigh.edu
Subject: [51406] 10 Meters is Dead? In What Universe??
Message-ID: <19990927.074026.-194403.3.wb2vuo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Greetings. I have, under various calls and guises, run a 10 Meter beacon on or near 28.286 MHz since 1979. Prior to November 1980, it ran in the "Attended" mode and after, under the "Automatic" mode.

Some of my 2 decades of observations:

Somebody will ALWAYS say that the band is DEAD, and usualyy on top of some juicy DX!

Even when the sunspots are low, there's signals there. They may be supported by such esoteric modes as forward scatter, meteor scatter, aurora, or tropospheric enhancement, but the signals are there. The problem, they aren't percieved as "DX"

Memory is too long. I keep hearing that "10 will NEVER be as good as it was back in the 50's!", maybe not, but it's STILL a great band.

If you have all the receivers in the world (other than regen's) listening

on 10 Meters, nobody will hear anybody and all will say the the band is DEAD! Call CQ! Do it often!

Come on Guys & Gals (people?)...

Just listen to the Freebanders and what/where they are, and you will realize that the band is there, propagation is there, you can work someone there, and ...

YOU NEED TO BE THERE, NOW!

I will be on 28.060 with the ears sharpened up when I get home from work tonite! Will you be there? I hope so.

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp
My night light runs more power than my Rig!!!

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Date: Mon, 27 Sep 1999 06:59:59 -0500
From: "Chuck Carpenter" <w5usj@globeco.net>
To: dodgeboy@mindspring.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [51407] Re: aluminum antenna tubing connector grease??
Message-ID: <3.0.2.32.19990927065959.00841b60@bosshog.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dave et al,

Bencher/Butternut uses a compound with their antennas for the purpose you describe. They have it as a separate item in the catalog (or did).

Chuck Carpenter, EM22cv, Point, Rains County, Texas

Date: Mon, 27 Sep 1999 11:20:40 -0400
From: wa8rxi@juno.com
To: aturner13@mindspring.com

Cc: qrp-1@Lehigh.EDU
Subject: [51408] Re: Capacitor Identification
Message-ID: <19990927.120627.-184721.0.wa8rxi@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Alex,

I can think of two (2) places that would explain the capacitor markings in question.

- 1) Data Book for Homebrewers and QRPers by Paul Harden, NA5N
- 2) The ARRL Handbook. Page 24.2 in the 1998 issue.

In the example below 221K

1st Digit = 2 Multipliers are 0 = None

2nd Digit = 2 1 = X10

3rd Digit = Multiplier 2 = X100

4th Digit = Tolerance 3 = X1000

4 = X10,000

Examples of Tolerance would be:

G = +/- 2%

J = +/- 5%

K = +/- 10%

220pf at +/- 10%

Therefore, 221K would be

72, Rick - WA8RXI

=====

On Sun, 26 Sep 1999 18:37:39 -0400 "Alex" <aturner13@mindspring.com> writes:

- > In trying to organize a collection of capacitors I've have not been
- > able to
- > decipher the many markings on the caps. I understood the 102,103,104
- > etc,
- > but what does the 221k, 15J etc. Is there a reference to explain
- > this.
- > Thanks.
- >
- > N4BYJ
- >
- >
- >

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Date: Mon, 27 Sep 1999 08:20:19 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: paule@sfu.ca
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [51409] Re: HF Transceiver Product Review/Comparison Summary
Message-ID: <37EF6103.D80@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul,

The matrix mentioned in teh posting is, I'm suer only those rigs teh League has tested in their lab. The League has not tesed every transceiver, especially the QRP ones.

In November, the League will publish a QRP Kit matrix in its QRP Column. This column appears on teh ARRL's Web Extra 'members only' coulumn. The data appearing in this listing is taken directly from the manufacturer's web pages and has been blessed by the manufactureres. The matrix will be made available electrironically on the ARRL's web page and also teh QRP ARCI's web page.

73

Date: Mon, 27 Sep 1999 19:40:28 +0700
From: "Donny" <dsirait@centrin.net.id>
To: "qrp-l low power amateur radio discussion" <qrp-l@Lehigh.EDU>
Subject: [51410] Re: 15m Homebrew
Message-ID: <199909271238.TAA13590@smtp.centrin.net.id>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi gang,

Put me also on the list, 15 meters is a popular band here in YB for local and dx. Life is just to harsh on 40 in this part of the world, ilegal QRO operators on USB and LSB are everywhere and we only have 100 Khz

of the spectrum.

Thanks for the bandwidth de Donny YB6LD/1 qrp-1 # 2004

> From: Ed Kessler <edkess@epix.net>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: 15m Homebrew
> Date: Sunday, September 26, 1999 23:03
>
> Am looking for a simple set of plans to build a 15m QRP transceiver.
> None of my resources seem to deal with 15 meters.
>
> Any suggestions out there??
>
> Would like about 1 to 2 watts out if possible, and a superhet rcvr or a
> DC rcvr with audio filter.
>
> Thanks,
> Ed, AA3SJ

Date: Sat, 18 Sep 1999 20:09:13 -0500
From: Clifton W Sikes <ab5uacw@juno.com>
To: qrp-1@lehigh.edu
Subject: [51411] DX...he's lookoing for Mt, Id, Wy, and Ut.
Message-ID: <19990918.200914.6654.3.ab5uacw@juno.com>

Howdy folks,

I stumbled onto a goodie, Saturday afternoon, and he is looking for these States.

If you don't mind getting on SSB, this fellow would dig for you. The station is

5Z4IC, in Kenya. His name is Ian. Look for him around 28.485-28.500 mhz, between 1600-1800 UTC. Ian is a great operator, and likes to visit a little, not just exchange reports. Go get him!

72,

Clif AB5UA

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Date: Mon, 27 Sep 1999 07:36:49 -0600
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Subject: [51412] Re:n0tu/beacon ...Thanks!
Message-ID: <04e601bf08ed\$67033cc0\$90a8a3cc@S&P.www.webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all who sent reports.

It's amazing what 250mW will do!

Got reports from all up and down the east coast and a few closer in.

Brings up a question. Is there some beacon coordinating group or procedure for choosing a beacon frequency?

And as far as the comment: "forget the beacons just call CQ". Would if I could ...but was roped into yard work all day. The beacon was just a fun way to passively see what conditions were like without having to spend the time on the paddles. It was kinda neat to be shoveling rock and look up and see that piece of wire and know it was radiating several hundred mWs on ten while I was radiating watts of sweat. Although I would prefer just getting on instead!

Thanks again QRP-Lers

Steve/n0tu

Date: Mon, 27 Sep 1999 09:44:13 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [51413] DCTL REPORT-FINAL
Message-ID: <d47e8c9e.2520cead@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Well the 40M worked well as noted in the initial report. The 80M DCTL is an amazing performer also. I tried it on 80M, 40M and 20M with QRP and QRO and CW and QRO. I did not make any DX contacts but I was reaching California from

WA. Also SSB with 50 watts I broke into net in southern Oregon off the end of the loop (its deepest null).

I just hung it in the room in various positions. It does have deep nulls off the ends and off frequency. It has narrow bandwidth, but IT DOES WORK RATHER WELL when tuned.

I am not stating that it is a super QRP antenna, but it definitely is an antenna that will work for those folks that are super restricted antenna wise and don't have a lot of room to work with. The 80M version is basically a 28 ft piece of 300 ohm twinlead formed in a loop. Thanks to CHAS (call?) for the initial referral and Dave (NF0R) for the additional info.

Although I don't intend to submit any more reports on the antenna, I do intend to conduct some more tests for my own satisfaction

ALAN KB7MBI

Date: Mon, 27 Sep 1999 09:56:22 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [51414] home-made keyer / paddle
Message-ID: <37EF7786.5CB6BC2A@rit.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Folks,

Recognizing my limitations (chronically broke, inherently cheap), can anyone point me to designs for home-brew paddles and a keyer circuit?

As far as the keyer goes, I have some microcontrollers I could press into service as an iambic keyer if somebody can tell me just how an iambic keyer works.

Thanks!

Dave

--
Dave Hinerman WD8CIV
Ontario, NY Grid FN13IF
dlh1009@rit.edu

Date: Mon, 27 Sep 1999 07:19:57 -0700
From: Dave Barrett <DBarrett@creo.com>
To: "'dlh1009@ritvax.isc.rit.edu'" <dlh1009@ritvax.isc.rit.edu>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [51415] RE: home-made keyer / paddle
Message-ID: <CE0A40BFE0CDD111A2B800A0C99B83EB01313C72@msgcreo2.creo.bc.ca>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hi David

For a neat, simple, cheap design see Jim Nestors paddles and a small offering from me at:
<http://www.njqrp.org/mbrproj/paddles.html>
Jim's paddles are very easy to construct and are made from easy to obtain (at the local hobby shop) materials and the design works well.
I added a couple of minor mods by using guitar picks as paddle handpieces, and a rare earth magnet in the base to help hold the beast still on any nearby steel base. I also added a SIP (3 pin) socket on rear to facilitate easy cable attachment and easy changeover from left-handed to right-handed operation...

Good Luck Dave VE7PCC Vancouver BC Canada

-----Original Message-----

From: David Hinerman [mailto:dlh1009@ritvax.isc.rit.edu]
Sent: Monday, 27 September, 1999 6:56 AM
To: Low Power Amateur Radio Discussion
Subject: home-made keyer / paddle

Folks,

Recognizing my limitations (chronically broke, inherently cheap), can anyone point me to designs for home-brew paddles and a keyer circuit?

As far as the keyer goes, I have some microcontrollers I could press into service as an iambic keyer if somebody can tell me just how an iambic keyer works.

Thanks!

Dave

--

Dave Hinerman WD8CIV
Ontario, NY Grid FN13IF
dlh1009@rit.edu

Date: Mon, 27 Sep 1999 10:58:50 EDT
From: ARDUJENSKI@aol.com
To: WB9MII@aol.com, qrp-1@lehigh.edu
Subject: [51416] DCTL SITE
Message-ID: <af397e32.2520e02a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I had gotten several requests for the DCTL SITE so here is the source again:
<http://home.earthlink.net/%7Emwattcpa/antennas.html>
Dave (NF0R) wrote an article on the subject based upon the magazine article below and developed an improved junction point.

Although the article calls for the cheaper tv twinlead, I built mine with the heavier stuff from RS and works well.

Also
73 Magazine Sept 1993
CQ Magazine July 1994
73 Magazine October 1994

Alan KB7MBI

Date: Mon, 27 Sep 1999 09:33:19 -0600
From: bcutter@teal.csn.net (Bob Cutter)
To: qrp-1@LEHIGH.EDU
Subject: [51417] Shielded loop, how do it do it?
Message-ID: <199909271533.JAA18482@mailrelay4.sni.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I installed a shielded loop this weekend for 160. 20 feet of TV hardline with a break in the shield in the middle of the loop and a capacitor matching the feed. It seems to work well but I cannot understand how.

If it is in fact shielded, and the antenna certainly seems to be by the hardline, how does the signal "get in"?

72, Bob KI0G

Date: Mon, 27 Sep 1999 08:55:26 -0700
From: Allan G Taylor <k7gt@arrl.net>
To: qrp-l@lehigh.edu
Subject: [51418] TT2/MRX for Pacificon: slight error in documentation
Message-ID: <37EF936E.190B@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The TT2/MRX combo kits arrived Saturday in the East Bay. I am sure the builders will find this themselves, but in any case the upper sketch on p. 7 has J3 and J4 mislabeled/swapped. J3, the rx jack needs to go to S1, the Antenna switch while J4, d.c. in, needs to go to the key jack.

Another very minor item has to do with the MRX kit. The two pots' leads will not go through the holes without some work with an awl. (I didn't have drills smaller than 1/16") It fits now.

The 'GT version of the TT2 is being build "Pineapple Pair" style as we didn't have any tuna cans lying around. (See the original article)

K7GT

--

```

                                     |
                                   /|
                                  / |
                                 | /Z |\
                                /| /599| \
Allan Taylor   K7GT
k7gt@arrl.net
Pleasanton CA  CM97aq           /_||____|__\_  http://www.qsl.net/k7gt
...QRO, QRP, or barefoot..... [\-----/
~~~~~
```

Date: Mon, 27 Sep 1999 09:10:02 -0700
From: Allan G Taylor <k7gt@arrl.net>
To: qrp-l@lehigh.edu
Cc: hananom@jmc.co.jp
Subject: [51419] JR7HAN needs 30m SST/similar rig
Message-ID: <37EF96DA.5959@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Some time ago I worked JR7HAN/QRP on 30m and we exchanged cards via

the bureau. My card to him apparently arrived from the bureau recently and he noticed my web page reference and its QRP references. He was in email contact with me last week about possibly getting together for a chat during his trip in mid-October... now what's happening in mid-October... PACIFICON! My reply pointed out that he might be able to attend some of Pacificon if he were to manipulate his plane schedule.

Anyway, last night he called on the phone and we chatted about his plans. He has shifted his schedule to arrive at SFO Saturday morning and expects to arrive at Pacificon very late that morning, departing after the last QRP talks to catch his plane to Reno NV. So, if any Pacificon participants see a late-arriving JA, give him a big Pacificon welcome.

He did have one request. He would like to purchase a built-up SST for 30m. He just doesn't have time to build it up himself (sounds very familiar!) Also, the operating practice in JA is to use frequencies around 10130-10135 for local chatting. So, this is also a request for info as to any known mods to put the VXO range up somewhat higher in the 30m band. I suppose that a SW30 might also fill the bill and would need no mods.

His email is: hananom@jmc.co.jp and he goes by 'Mike'.

--

```

                                     |
                                   /|
                                 /  |
                               | /Z |\
                             /| /599| \
Allan Taylor K7GT
k7gt@arrl.net
Pleasanton CA CM97aq      /_||____|__\_  http://www.qsl.net/k7gt
...QRO, QRP, or barefoot..... [\-----/
~~~~~
```

Date: Mon, 27 Sep 1999 11:16:43 -0500
From: Lee Bahr <bahr521@earthlink.net>
To: bcutter@teal.csn.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [51420] Re: Shielded loop, how do it do it?
Message-ID: <37EF986B.4C1E838F@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Electromagnetic waves go through non ferrous metals.
Lee Bahr w0vt

Bob Cutter wrote:

>
> I installed a shielded loop this weekend for 160. 20 feet of TV hardline
> with a break in the shield in the middle of the loop and a capacitor
> matching the feed. It seems to work well but I cannot understand how.
>
> If it is in fact shielded, and the antenna certainly seems to be by the
> hardline, how does the signal "get in"?
>
> 72, Bob KI0G

Date: Mon, 27 Sep 1999 11:51:56 -0400
From: "Edward A Kwik jr" <eakwikjr@hti.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [51421] Re: 15m Homebrew
Message-ID: <37EF929C.60B91C53@hti.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Has anyone had any luck using a simple DC receiver for 160 or 80 meters with a crystal controlled converter to get a 15 meter receiver? I got one of the Ten Tec DC receiver board kits. Saw a converter and RF amp in the QRP Notebook. Can anyone say if the result would be good enough (sensitive, stable, and selective) to be usable?

Ed Kessler wrote:

>
> Am looking for a simple set of plans to build a 15m QRP transceiver.
> None of my resources seem to deal with 15 meters.
>
> Any suggestions out there??
>
> Would like about 1 to 2 watts out if possible, and a superhet rcvr or a
> DC rcvr with audio filter.
>
> Thanks,
> Ed, AA3SJ

Date: Mon, 27 Sep 1999 09:18:37 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>

Date: Mon, 27 Sep 1999 09:57:55 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@lehigh.edu>
Subject: [51423] Joe Everhart, N2CX, Pacificon Speaker
Message-ID: <01bf0909\$71a5a520\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

NorCal is very proud to have Joe Everhart, N2CX as one of the NorCal Pacificon QRP Forum speakers this year. Joe is no stranger to QRPers, as he has been a prolific contributor to the New Jersey QRP Club, QRP-L and has had over 30 "Joe's Quickies" published in QQ. That is how I first became aware of Joe, with his "Quickie" series. Later on I met him at Dayton, and was impressed with what a generous, giving man he is. Joe has elmered many, many qrpers, and is one of the "good guys" when it comes to QRP.

He is a very talented designer, having designed the "Gusher" series of portable antennas, the rainbow tuner for the NJQRP Club, he contributed to the Fireball 40 project, the companion receiver project, and has also done a tremendous amount of work on a soon to be announced QRP Wattmeter.

He has been a speaker at Atlanticon, Dayton and now he is appearing on the west coast for the first time. Joe has traveled to the bay area many times on business, and has attended a NorCal meeting where many local QRPers got their first chance to meet one of the most famous QRPers from the East Coast.

Joe's talk will be on his favorite subject, "Quickies" the qrp kind, grin. He has written an outstanding paper for the 1999 NorCal Pacificon Compendium, but you will want to hear him in person. He is a delightful speaker, very knowledgeable, and he is one of those guys who not only designs, but works qrp. Joe doesn't just write about it, he actually does it.

I hope that you are coming to Pacificon and the NorCal QRP Forumus this year. We have a fabulous lineup of world famous qrpers for you. Besides Joe, we have Jim Kortge, Jim Duffey, Mike Gipe, Paul Harden and Dick Pascoe. Any one of them would be worth the trip to see, but all of them boggles the mind.

We have lots of activities planned for you, all provided by NorCal at no charge as a way of showing our appreciation for our members and a way to reinvest excess funds back into qrp. Here is a list of what we have scheduled:

Friday:

No Host Dinner at Fuddrucker's. Meet in Sheraton Hotel lobby at 5:45 PM
QRP Hospitality Room: Opens at 7:30. QRP Vendors, Paul Harden and
Darrel Jones troubleshooting clinic, Mike Gipe and the TT2/MRX Operating
Event Fox Hunt at 8:00, Compendiums handed out to early arrivals. TT2/MRX
Beauty show after the Fox hunt.

Saturday:

QRP Forum Speakers starting at 9:00 AM
Dinner on your own. We encourage small groups to get together and share a
meal.
QRP Open House featuring QRP Vendors, 2N2/40 Building Contest, Regen
Receiver Building Contest, Show and tell table, Paul Harden and Darrel Jones
Troubleshooting Clinic, Fun.

This is all going to take place Oct. 15, 16, and 17 at the Sheraton Hotel in
Concord, California. Contact Sheraton for special room rates, plenty of
rooms available. Also, we encourage you to preregister with Jerry Parker to
get a special QRP laminated badge with your call on it. Please send Jerry
an email at jparker@fix.net if you are planning on attending.

The Pacificon QRP Forum is the place to be Oct. 15, 16, & 17th. Famous
QRPers, friends, compendiums, building contests, operating events, vendors,
qrp no host dinner, and all of the speakers will be attending all of the
events. It's your chance to meet and mingle. See you there. 72, Doug,
KI6DS

Date: Mon, 27 Sep 1999 12:56:42 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [51424] Re: home-made keyer / paddle
Message-ID: <37EFA1CA.3C481CE1@rit.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

"Jerry W. O'Dell" wrote:

>
> At 09:56 AM 9/27/99 -0400, you wrote:
>
> Frankly, at \$50, you simply can't build one for less than the MFJ. Well,
> yes, you can make the Tick with no box, and, in my view, inferior performance.
>
> Should be able to pick up a curtis chip keyer (MFJ) for about \$25 at a swap.

>
> The problem with building things is the box, controls, knobs, and so on. Lord,
> they are expensive.

Jerry,

Too true - how many articles have we seen in the vein of "Build your own all-mode all-band all-frequency transmitter for \$20!" (That's a spark transmitter for you young guys.) Until you put it in a case with connectors, feet, labels, etc... But in my situation I HAVE a case, reasonably common (and even some uncommon) parts, feet, PC board material, etc. A Tick chip might be a viable solution, especially at \$5 for the Tick 1 (heck, I'm even local to Embedded Research) but I'd like to do it "out of the (junk)box" if possible.

Performance is an issue I'm willing to deal with later. Or not - I'm nowhere near being a "big gun". My favorite part of the hobby is building things. Once it's working, I may very well give it away.

Dave

P.S. Thanks for reminding me about the Tick! D.

--

Dave Hinerman WD8CIV
Ontario, NY Grid FN13IF
dlh1009@rit.edu

Date: Mon, 27 Sep 99 09:38:57 -0800
From: Anthony Felino <anthony@pacinfosb.com>
To: qrp-l@lehigh.edu
Subject: [51425] decibel
Message-ID: <Chameleon.938451847.anthony@anthony>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The basic "unit" of acoustic (originally) power ratio is the Bel, named after Alexander Graham Bell. This is a factor of ten. I put the word "unit" in quotes because of course, a ratio has no units. "Deci" is the standard SI prefix for the 0.1 multiplier. Hence "decibel" and the explanation for why the "d" is lower case and the "B" is capitalized.

Notice that since this thang is unitless, it can be applied to anything quantifiable. So you can say "I got a 1.3dB pay

raise." and so forth.

The derivation has nothing to do with human aural response except that it is logarithmic. It is just a coincidence that 1dB is approximately the limit of perception.

We adopted the use of the dB in radio because a 1dB difference on the input of a linear system, such as a receiver, will produce a 1dB difference at the output. Of course, the use of AGC obscures this, but it is still there. Gains and losses turn into additive quantities rather than multiplicative ones.

73,
WN6Q

Anthony Felino, Pacific Information Design
email: anthony@pacinfosb.com, afelino@eng.delcoelect.com
telephone: (805) 730 1565, x25
fax: (805) 730 1569

Date: Mon, 27 Sep 1999 12:04:29 -0500
From: "John Burnley" <burnleyia@home.com>
To: <IaQRP-L@divis17.ped-gen.uiowa.edu>
Cc: <qrp-l@lehigh.edu>
Subject: [51426] Iowa QRP Club at West Liberty Hamfest October 2, 1999
Message-ID: <000901bf090a\$5cd13280\$1b790818@c149522-a.west1.ia.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The Iowa QRP Club will have a display table at the upcoming West Liberty hamfest on October 2, 1999. Details for the hamfest may be found at:

<http://www.qsl.net/kc0aqs/hamfest.html>

We will be giving away an Elmer 101 issue of QRPP plus a NorCal log book. The goodies were donated by NorCal and my thanks to Doug and company for their continued support.

We will also have available a limited supply of the St. Louis QRP Society audio amp boards. The boards were donated by

the St. Louis QRP Society and much thanks to Dave Gauding NF0R for his efforts. Here is the deal. First come first serve on the boards. It's a great little project to put together especially if you are a new builder.

If you are a new builder then please come and see me. Bring a soldering iron and I'll give you the board and throw in the boards mounted parts for free

(if the UPS man pays me a visit hi). We will help you build the kit there at the

hamfest! A special thanks to Jeff Woods W00DS for his help in getting the LM380's for the boards.

We may also have Embedded Research kits available for purchase at the hamfest (if the UPS man makes a second stop hi). More details later!

The club will also have free hookup wire available for those interested. My employeer is redoing some of their Lan wiring and I have a bunch of CAT 5 scraps. The individual wires in the cable make excellent hookup wire for those QRP projects.

We will also have some ARCI goodies for sale (back issues of QQ, mousepads, etc).

The XYL tells me this stuff has got to go (out of our basement hi).

Please bring your latest projects for our display table! The hamfests are a lot of fun and I hope to see you all there!

72, John NU0V

Date: Mon, 27 Sep 1999 10:14:53 -0700
From: Marv Fagenson <k6hcj@juno.com>
To: qrp-l@Lehigh.edu
Subject: [51427] SW Convention
Message-ID: <19990927.101459.-294945.2.k6hcj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Anyone from the list gonna be at SW convention on the Queen Mary in Long Beach, CA this coming weekend?

Marv Fagenson
k6hcj@Juno.com

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Date: Mon, 27 Sep 1999 10:17:10 MST
From: "Chuck Adams, K7Q0" <k7qo@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [51428] Milliwatters on 20m
Message-ID: <19990927171710.19954.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Gang,

Just within minutes of my posting last night about W5JAY
20 meters shutdown. Later I was able to work Doc, K0EVZ, in ND.
Gotta work the rare ones first from the new QTH.

I have found over the years that the best distances with the least
power seem to occur just before the band shuts down for the night.
This was found to be true on 30m also over the years.

So those of you running less than 250mW, send me some email and
we can try the east coast from here around 0130UTC to 0230UTC
and see if propagation is repeatable at the present SF values.
I'll read email this afternoon around 2330UTC 9/27/99.

dit dit

Chuck Adams K7Q0 CP-60 k7qo@hotmail.com <http://www.qsl.net/k7qo>

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Mon, 27 Sep 1999 10:19:37 -0700
From: william h ross <k6mgo@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [51429] Help

Message-ID: <19990927.101939.-143175.0.k6mgo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi to the group:
Need a little help (again). Would like to build the Touch Sensitive
keyer, on G3YCC's QRP web site.
Can't find a "CA3140" in Radio Shack, Tech America or Mouser catalogs.
Does anyone know where I can get it, or a cheap, good substitute?
What is it?
Thanks for any help.
73/72
Bill, K6MGO

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Mon, 27 Sep 1999 10:33:19 -0600
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Cc: aa5tb@swbell.net
Subject: [51430] Tuner in a bottle....pill that is!
Message-ID: <37EF9C4F.DB1@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

Having racked my brain to come up with the original article on the tuner
in the bottle, I finally found it. It is in 73 mag Oct. 1994., by Donald
Shipman W3RDF, whom I think I have seen post on this list. I thought
that call sounded familiar. Sure enough looked at my log and turns out I
worked Don yesterday on 10 meters! It's a small world! The name of his
tuner is called the "Handy Randy".
Also, enjoyed reading about Steve's AA5TB's method of tuning a half wave
wire. He also uses the 35mm bottle.

This got me thinking....Why not build the tuner to make it even more
versatile. I have come up with a pill bottle that will hold a 365
receiving type variable just perfect. It will also hold a toroid with a
bunch of taps on it. The pill bottle is just a little bigger than the
35mm canister.

Steve's unit uses link coupling which is very efficient way to couple.

Don's uses a parallel tuned network, taping the coax just above the cold end.

Another way I have tried is the L-network. I have tried all but Steve's design and plan to try it out soon.

I plan on making three models. The first one will be a L-network designed for high impedances, with a tapped toroid and the 365 var cap. The second will be a parallel tuned network also with the 365 var cap and a tuned toroid. Third model will be Steves's with the link coupling.

As Steve says in his article, the above would make a neat device for backpacking. Feedline is all but eliminated, light, and also seems like depending on the band used, the feedline could be wound around the tuner making an even neater package(10m maybe)!

Will post again on how it works.72, Tom WB5QYT.."Have spud will travel!"

Date: Mon, 27 Sep 1999 10:40:05 -0600
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [51431] Pill bottle tuner
Message-ID: <37EF9DE5.830@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

No, I won't be putting this pill bottle tuner down the barrel of my PAL(pneumatic antenna launcher)! This will be one pill bottle that got away!!

72, Tom WB5QYT..."Have spud will travel!"

Date: Mon, 27 Sep 1999 13:39:23 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-1 <qrp-1@lehigh.edu>
Subject: [51432] Re: Help
Message-ID: <37EFABCB.DE246CCB@rit.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii

Content-transfer-encoding: 7BIT

william h ross wrote:

>

> Hi to the group:

> Need a little help (again). Would like to build the Touch Sensitive
> keyer, on G3YCC's QRP web site.

> Can't find a "CA3140" in Radio Shack, Tech America or Mouser catalogs.

> Does anyone know where I can get it, or a cheap, good substitute?

> What is it?

Bill,

Not sure what it is exactly (I think it's an op-amp), but Debco lists it
for \$0.69.

http://www.debco.com/db_online/index.html

Dave

--

Dave Hinerman WD8CIV
Ontario, NY Grid FN13IF
dlh1009@rit.edu

Date: Mon, 27 Sep 1999 14:02:49 -0400
From: "Ed Tanton" <n4xy@att.net>
To: <k6mgo@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [51433] RE: Help
Message-ID: <NBBBJDEEIFDDANGEGHLBAEOHHAAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Look again at Mouser (<http://www.mouser.com>): they carry two flavors: the
570-CA3140AE and the 570-CA3140AT; Digikey (<http://www.digikey.com>) carries
them also, the CA3140E-ND at \$0.74 each; and Arrow (<http://www.arrow.com>) has
them as the CA3140E @ \$0.48, the CA3140AE @ \$0.56, the CA3140AM @ \$0.63, the
CA3140AS @ \$2.16 etc. etc. Next time you need a part, go to AltaVista
(<http://www.altavista.digital.com>) and enter the part number. You'll be
amazed at how many usually turn up. Basically, it is a 741 op-amp replacment
with MOSFET in/Bipolar out. I love 'em... they'll replace most of the
741-family of op-amps.

72 / 73 Ed N4XY email: <n4xy@arrl.net>

webpage: <http://www.qsl.net/n4xy/>

Date: Mon, 27 Sep 1999 11:18:19 -0700
From: Ed Loranger <we6w@qsl.net>
To: qrp-1@lehigh.edu
Subject: [51434] QRP QSO's; K2 Power Output fix; Trbl shooting tips & RF Probe.
Message-ID: <37EFB4EB.9CAC91BE@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Good Day gang, Was a busy weekend. I got behind schedule being out sick Thursday and 1/2 day Friday.

Been getting nice qso's with the K2. Also hooked up the (very) dummy load and checked output power on the powermeter and compared voltage p-p with the o-scope across the load.

I found that my max power on all bands is nearly 15 Watts.

Actually my wattmeter reads 20 watts on one band but I think that just may be a little off.

These things are sensitive to load impedance. I measured 122 volts or so to the dummy load on 12 meters. Geesh, if that is across 50 Ohms, it is a lot of power --> 37 Watts!

Nope. I checked it out and the VERY Dummy load had a bad sectional resistor in it and was measuring at 150 or so Ohms with the RF-1 and my Antenna scope as well. Recalculated that comes to 12.4 Watts. Much better! Phew.

So, always know that load impedance you measure that voltage across. Do NOT assume the nice looking 50 Ohm load is 50 Ohms from DC to Daylight. Not even to Twilight! I know, everyone knows this, but it just had to be said.

Oh Boo hoo! The rig was only putting out 3.5 to 4 watts on 20 meters when I worked that JM4 station. The tests I did on the rig output power were eye opening! Sitting at 5 watts I was all relaxed and happy. But going QRO to the dummy load didn't warm anything up as expected. So I

found the problem in C19 of one of the two 20 meter bandpass filters. Changed it from 330 pF to 270 (we have a 8-50 pF trimmer) and tried it out. Better, but not peaked. Went to 220 pF and NOW WE have 14 Watts on 20 meters.

To decide whether I needed to increase/decrease the capacitor, I first tried a 39 pF addition to the 330 pF. The power decreased. So we had to go lower in pF. Just make your changes close to the range of the trimmer capacitor and you'll be safe to tune up with the trimmer.

Don't settle for good enough, peak that filter on the RF board.

Of particular note is that the Power measuring circuit is a basic RF detector. Non ideal loads for the rig grossly affect the voltage reading. Also, shunting of higher frequency signals is totally expected in these circuits which are most often use in the relative measurement and peaking of RF signals. Use a calibrated wattmeter and log the K2 power reading on each band as you TX 5 Watts into your dummy load. Returning to these settings in the field should be very reliable. Hey, I was at 5 Watts on 12 Meters with the K2 reading 1.6 Watts on the display.

Speaking of RF detectors. I built an RF probe for a ham in New York. It's 1/2 inch square at the tip and 1 inch square at the DC output BNC connector. The tip was from a "N" connector and can have a alligator clip slid over it for hands free measurements. The PC board material is soldered from the 1/2 inch board to the 1 inch board. Makes a fine package. Yes, of course theres a capacitor, Ge Diode and 5.7 M Ohm resistor in there....

The ground wire is solidly connected. First I soldered it to the side next to the BNC. Then slipped some RG-174 braid over that. I soldered the braid around the previously soldered wire. I then touched up the braid so it wouldn't fray. I then brushed "Dip-it" rubber over the entire probe, including the braid on the ground wire. Came out great and the ground wire should last a very long time this way. Oh, I hid my callsign, on the case by soldering in some buss wire to the PC Board. It looks great peeking out of the black rubber coating. Subdued. Hey, my homebrew case needed to be authenticated as a "we6w RF Probe" Right?????

Other than the above, the weekend was pretty dull.....

Har. 72/Ed we6w

--

-Ed AR Millennium Q's=>1200/2000 QRP-L#1068 Old NC#2227
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275

Date: Mon, 27 Sep 1999 14:27:09 EDT
From: charles k brown <n4so@juno.com>
To: qrp-l@lehigh.edu
Subject: [51435] Bencher, Inc.
Message-ID: <19990927.182202.8047.10.n4so@juno.com>

BENCHER, INC.
831 N. Central Ave.
Wood Dale, IL 60191
<http://www.bencher.com>
E-mail bencher@bencher.com
Tel 630-238-1183
Fax 630-238-1186

Ken Brown N4SO
Mobile, AL/EM50tk
NorCal-20/5 watts/4 ele. beam

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Date: Mon, 27 Sep 1999 14:27:08 EDT
From: charles k brown <n4so@juno.com>
To: qrp-l@lehigh.edu
Subject: [51436] RF Transistors- 2SC1969
Message-ID: <19990927.182202.8047.1.n4so@juno.com>

Westgate
1 800-213-4563
Wide variety of RF transistors

2SC1969 NC-20/ Elecraft K2 final amp
Only has the 800 number , no E-mail, no WWW.

Ken Brown N4SO
Mobile, AL/EM50tk
NorCal-20/5 watts/4 ele. beam

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Date: Mon, 27 Sep 1999 14:27:08 EDT
From: charles k brown <n4so@juno.com>
To: qrp-l@lehigh.edu
Subject: [51437] Jackson Harbor Keyer Kits
Message-ID: <19990927.182202.8047.5.n4so@juno.com>

From: "Marshall Emm" <mgemm@mtechnologies.com>
Subject: Jackson Harbor Keyer Kits
The Island Keyer is a complete board kit for an iambic memory keyer
for only \$21.95 for the circuit board and components, you mount the
board in your own box. Power supply can be a wall cube.
Hardware for the Island Keyer- all the pots and jacks \$12.00.
Order catalog// for complete line of kits/tools/paddles.
Oak Hills Research Kits
OHR-500 80M,40,30,20 and 15Meters covers 150Khz
OHR-100 20,30 or 40Meters
WM-2 Wattmeter
OHR Digital dial/Freq. Counter
sales@MorseX.com
Marshall Emm
N1FN/VK5FN
n1fn@MorseX.com
Morse Express and Oak Hills Research
"Everything for the Morse Enthusiast"
<http://www.MorseX.com>
<http://www.ohr.com>
(303)752-3382
--
morsex.txt

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Date: Mon, 27 Sep 1999 11:25:19 -0700
From: "Radman" <radman@best.com>
To: <dlh1009@ritvax.isc.rit.edu>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [51438] Re: Help
Message-ID: <199909271823.LAA09746@proxy2.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Dave et al,

The CA3140 is a 4.5MHz, BiMOS Op-Amp with MOSFET
Input/Bipolar Output. If you want the 19 page (Acrobat)
download, check out: URL:
<http://www.intersil.com/data/fn/fn9/fn957/fn957.pdf>

Good bedtime reading ;-)

72,

Conrad - NN6CW

Bill,

Not sure what it is exactly (I think it's an op-amp), but
Debco lists it
for \$0.69.

http://www.debco.com/db_online/index.html

Dave

--

Dave Hinerman WD8CIV
Ontario, NY Grid FN13IF
dlh1009@rit.edu

Date: Mon, 27 Sep 1999 14:33:54 EDT
From: N10DL@aol.com
To: qrp-l@lehigh.edu

Subject: [51439] RE: Joe Everhart
Message-ID: <8fd059f9.25211292@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Subj: Re: Joe Everhart, N2CX, Pacificon Speaker
Date: 09/27/1999 2:18:29 PM Eastern Daylight Time
From: N10DL
To: ki6ds@dpol.k12.ca.us

Hello Doug:

Just thought you would like my experience with Joe Everhart. This man has been very helpful with my antenna situation over time. his Gusher antennas have let me stay on the air when I travel and even at home. I had a friend over the other night and was telling him about the Gusher 20-20. He thought I was pulling his leg, so hookde up my travel rig, the Wilderness SST-20 and the Gusher 20-20 in the house. Ran it from the bedroom window and the shack (third bedroom) window. plugged it directly into the SST and turned it on. in about 15 minutes we made contact with several US hams and one in France. Joe really knows how to build great antennas for our QRP community. I have several of these antennas and have one up in my attic on Marthas Vineyard for when we spend weekends there. Have had many great DX contacts with this antenna.

The reason for this note is that I cannot make it to Pacificon and think people should know how GREAT these antennas work, WITHOUT a tuner.

Thanks for the bandwith

Aron Brown
N10DL/qrp
Bedford, NH
FISTS#4110
QRP-L#1326
G-QRP#9946
NJQRP#133

Date: Mon, 27 Sep 1999 14:46:15 EDT
From: RangerSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [51440] Re: 2SC transistors
Message-ID: <35ca655c.25211577@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

<http://www.rfparts.com/2sc.html>
Try this URL.

Brass Pounder BBS: (954) 472-7715

Date: Mon, 27 Sep 1999 13:01:59 -0600
From: jaywa5whn@juno.com
To: qrp-1@lehigh.edu
Subject: [51443] F2 openings on 6 meters
Message-ID: <19990927.130458.-996749.2.jaywa5whn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

There have been some great openings {F2} on 6 meters recently. Numerous beacons on the low end of the band. When 10 meters is open, there is a good probability now that 6 meters is open at this point in the solar cycle.

If any of you should ever have the opportunity to take the self guided tour @ Sunspot, NM {approximately 165 miles SE of Albuquerque, as the crow flies}., I would encourage you to do so.

<http://www.sunspot.noao.edu/>

What is very interesting is the Solar data pertaining to the vibrational modes {Heliosesmic} on the surface of the Sun from 0 - 8.33 MHz & all of the optical photos. You will be in the Lincoln National Forest at 9,185 ft. asl so bring along your radio gear & antennas that hang in the tall pine trees.

If you should hear some strange signals on 10 meters SSB, Oct. 2 - 10, they are not UFOs, even though one of them is in the shape of a saucer. Several of the pilots are hams and they do operate while flying. They will also be on 2 meters too.

<http://www.aibf.org/whatsnew.htm>

72...Jay, WA5WHN DM65qd Albuquerque, NM USA

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Date: Mon, 27 Sep 1999 12:35:03 -0700
From: Ed Loranger <we6w@qsl.net>
To: qrp-1@lehigh.edu
Subject: [51444] Of keys, paddles, and keying modes.
Message-ID: <37EFC6E7.6AF0E94D@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi gang. I've been playing with this little MK-88 paddle/keyer I got in trade for one of the OCX0's I shipped out. It is so fun and an excellent addition to my Trail Friendly station. I'll be leaving the Vibroplex bug at home from now on :) But my xyl says I'll be a lil' bugger forever.

Anyway....

Last night I finally put my foot down. (No! Not on the paddle!) I decided it is time to try the "IAMBIC" thing. My experience with sending OOK began with the straight key. Then a borrowed Bencher paddle with a cmoss keyer. Then a homebrewed IC-555 job with a reed relay to key the old Drake TR-3 safely. Then I got the Bug and have been using it ever since. I never used the paddles Iambically, instead being careful not to close both paddles at the same time. There are paddles with single levers but I didn't have one to guarantee "no squeezing" mistakes.

Anyway, as I figure it, you can send non-iambically, iambically mode A or B, or 'cootie-bug' fashion, use a bug, straight key. Maybe there's more.

The K2 has the Mode 'A' installed, I think, and the MK-88 has the 'B' mode. Both are very neat. I think the timing of the B mode is more critical.

I started last night with the K2 in "Test" mode. No output power in this mode, just RX and sidetone etc...

I used the Norcal paddles and had fun with the "A" mode. It eventually took me about 2 hours to consistently run thru the alphabet in true iambic character generating mode. You can sneak away with 'A,N,R,K' non-iambically, but that is cheating. So I stuck to it and find I can do OK as of this morning at 20 WPM Iambic Mode A. I also used the MK-88 with Mode B. I

found mode "B" to be much more efficient. The opposite character element completion is very nice. I find that it takes me a little time to switch from A to B and Back -- and I have to stay around 18 to 22 wpm or the timing is too difficult for me. I bet if I stuck to one or the other modes I'd move up in sending speed. But then, most of my qso's are at 22 to 25 wpm anyway. I think I'd rather become proficient at all the modes than burn up the band with qrq at this time.

Sure is something new to learn everyday in this hobby!

How sweet it is.

72/Ed we6w, Enjoying anything and everything that Ham Radio presents.

--

-Ed AR Millennium Q's=>1200/2000 QRP-L#1068 Old NC#2227
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275

Date: Mon, 27 Sep 1999 12:44:09 -0700
From: "Radman" <radman@best.com>
To: <n4bp@bc.seflin.org>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [51445] Re: Help
Message-ID: <199909271941.MAA05905@proxy2.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Bob,

W24257AK-15 appear to be SRAM DIP ICs -- probably manufactured by WINBOND, Taiwan (ROC.) The datecode of '94 checks out... old memories, but good memories, eh? ;-)

72,

Conrad - NN6CW

While doing a shack cleaning, I ran across a neatly anti-static packed group of five IC's. While I must have bought them for some purpose, I

have no idea what they are and can't find them in the two
cross reference
programs I have. They are: W24257AK-15
I think the logo stamped on them is Westinghouse. They
also have the
number 94340, but I suspect that is a date code?

73,

Bob Patten, N4BP

Date: Mon, 27 Sep 1999 15:47:46 EDT
From: GElam30092@aol.com
To: qrp-l@lehigh.edu
Subject: [51446] Re: Joe Everhart, N2CX, Pacificon Speaker
Message-ID: <6da80d13.252123e2@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

In a message dated 9/27/1999 9:51:55 AM US Mountain Standard Time,
ki6ds@dpol.k12.ca.us writes:

<< He is a very talented designer, having designed the "Gusher" series of
portable antennas, the rainbow tuner for the NJQRP Club, he contributed to
the Fireball 40 project, the companion receiver project, and has also done a
tremendous amount of work on a soon to be announced QRP Wattmeter. >>

<>

It just keeps getting better. I was really torn between going and not
going.... glad I'm going.

BTW, is there a site regarding the gusher antennas that someone can point me
towards?

Thanks!
Gerry
PHX AZ

Date: Mon, 27 Sep 1999 12:47:59 -0700
From: william h ross <k6mgo@juno.com>

To: qrp-1@Lehigh.EDU
Subject: [51447] Help
Message-ID: <19990927.124759.-143175.2.k6mgo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Once again all of you wonderful people have come thru.
I now know what a "CA3140" is and where to get it.
Tnx es 73, Bill

On Mon, 27 Sep 1999, william h ross wrote:

> Hi to the group:
> Need a little help (again). Would like to build the Touch Sensitive
> keyer, on G3YCC's QRP web site.
> Can't find a "CA3140" in Radio Shack, Tech America or Mouser catalogs.

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Date: Mon, 27 Sep 1999 13:08:30 -0700
From: Ed Loranger <we6w@qsl.net>
To: qrp-1@lehigh.edu
Subject: [51448] Fireball Contest -- 1 QSO.
Message-ID: <37EFCEBE.19976A3C@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi gang. Almost forgot. I monitored the 4 fireball
freqs fro 40 to 10 meters. I worked Ron/KE6VRS on
7080 KHz.

That's Ronald A. Smith from Pinole. Here I've been
trying to work Ron Smith/KD7VD from Idaho and I get
the local Ron Smith! Hee, hee. We'll get a chance
for an eyeball qso on the Saturday of Pacificon.

Ron was running a stock, 40 mW fireball and was

559 or so here. Not sure of the distance but I think it is in the 90 mile range from here. I was running the K2 at 950 mW on the external power meter.

I got one! I hope they run this contest again and maybe next time I'll have the fireball on the air.

Best 72 to all es Good day. -Ed we6w

--

-Ed AR Millennium Q's=>1200/2000 QRP-L#1068 Old NC#2227
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275

Date: Mon, 27 Sep 1999 20:12:54 GMT
From: "Bill Todd" <zapzap73@hotmail.com>
To: we6w@qsl.net, qrp-l@Lehigh.EDU
Subject: [51449] Re: Of keys, paddles, and keying modes.
Message-ID: <19990927201255.74767.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>Hi gang. I've been playing with this little MK-88 paddle/keyer
>I got in trade for one of the OCXO's I shipped out. It is
>so fun and an excellent addition to my Trail Friendly
>station. I'll be leaving the Vibroplex bug at home from
>now on

Hello Ed -

As the Past President of NABUGU, pronounced "Na Bug You!", the National Bug Users group, I must protest your recent action.

Now, just because my MFJ Keyer does not happen to be working right now, has nothing to do with the fact that I am currently using a WWII Signal Corps Bug.

Our members do not use electronic keyers because they want to save excess voltage. Think about it for a minute. What if everyone that currently uses a keyer would switch to a bug? Guess how much electricity we would saved in the process.

NABUGU hired the national accounting firm of Satchel, Bag and Pocket to come up with the figures. They estimate the energy saved would equal the power used to light ONE 50 watt light bulb for two days!!!

Incredible, but true.

(Well, sorta, maybe, kinda.....)

CUL, Bill-N7MFB

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Mon, 27 Sep 1999 13:10:09 -0700
From: william h ross <k6mgo@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [51450] Fw: Of keys, paddles, and keying modes.
Message-ID: <19990927.131011.-143175.3.k6mgo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Ed, you're just too darn sharp for me. I have been into CW now for a little over 2 years, after forty plus years as a ham. (But that's another story). I can copy 20 WPM pretty solid from my MFJ 418, and when I really concentrate, maybe up to 24 WPM. But, I need a pencil, all the time, or I forget the last letter/number sent while concentrating on the new one. And on the air, as you probably noticed, I get nervous and slow down to about 18. I tried K7QO's code course, trick of having the 418 send code in 2 and 3 letter groups, while on jury duty (in the waiting room, not court room), for two weeks and could not get better than 2, sometimes 3, letter groups in 2 weeks.

I tried that iambic mode with my Norcal paddles, and didn't have much luck.

I just keep hoping (and practicing) to be able to head copy. That would sure make me one happy camper.

Enjoy your reports, keep it up.

73/72

Bill, K6MGO

I used the Norcal paddles and had fun with the "A" mode. It eventually took me about 2 hours to consistently run thru the alphabet in true iambic character generating mode. You can sneak away with 'A,N,R,K' non-iambically, but that is cheating. So I stuck to it and find I can do OK as of this morning at 20 WPM Iambic Mode A. I also used the MK-88 with Mode B. I found mode "B" to be much more efficient. The opposite character element completion is very nice. I find that it takes me a little time to switch from A to B and Back -- and I have to stay around 18 to 22 wpm or the timing is too difficult for me. I bet if I

stuck to one or the other modes I'd move up in sending speed. But then, most of my qso's are at 22 to 25 wpm anyway. I think I'd rather become proficient at all the modes than burn up the band with qrq at this time.

Sure is something new to learn everyday in this hobby!

How sweet it is.

72/Ed we6w, Enjoying anything and everything that Ham Radio presents.

--

-Ed AR Millennium Q's=>1200/2000 QRP-L#1068 Old NC#2227
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275

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Date: Mon, 27 Sep 1999 20:29:36 +0100
From: Larry Cahoon <wd3p@juno.com>
To: ae4ic@nr.infi.net, qrp-l@Lehigh.EDU
Subject: [51451] Re: Holiday Milliwatt contest - Rules
Message-ID: <19990927.202950.4022.0.wd3p@juno.com>

On Mon, 27 Sep 1999 15:21:18 -0700 Bob Kellogg <ae4ic@nr.infi.net>
writes:

>This is a good question. I meant that a station would use only one
>power level for each day of the contest. However, I don't know why we
>couldn't allow it to be variable on a per QSO basis.

>

I like the per QSO system. More effort to track but will get guys to go way down for a few QSOs and have them end up working with the real low powers once they see what can be done. And if a guy is hard to get you can kick the power up. This should keep the activity level up while keeping the power levels down.

73 de Larry.....WD3P in MD
WAS QRPP
WAS 1,000 miles per watt

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Date: Mon, 27 Sep 1999 20:40:52 GMT
From: "Bill Todd" <zapzap73@hotmail.com>
To: we6w@qsl.net
Cc: qrp-1@lehigh.edu
Subject: [51452] Re: Of keys, paddles, and keying modes.
Message-ID: <19990927204053.65994.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>will it be ok if I put a magnet and coil on the bug and
>use that to charge the keyer battery :) :)

You know, you might have a great idea there Ed.
When I sleep, the movement of my chest (up and down) powers a wooden rod
covered in kitchen magnets, that pass through a coil of wire. The resulting
"Nighty Night" voltage is donated free of charge to the Bonneville Power
Administration.

We all need to do our part!
(subject is now standing, flanked by his dog "Buddy" and saluting towards
the sunset as a band plays "Oh beautiful for spacious skies,....")

CUL, Bil-N7MFB

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Date: 27 Sep 1999 15:51:21 L0C
From: <SFIKE@twa.com>
To: <qrp-1@lehigh.edu>
Subject: [51453] Patcomm 9000
Message-ID: <19990927.155121.SFIKE@twa.com>

I was checking out Patcomm's PC 9000QRP/QRO rig on their web site and it
looks like the neatest rig to come down the pike in a while (next to the
K2 of course).
I don't even know if this rig is available or not. Does anybody out there own
this rig and if so, how do they like it?....

If not, do you know when it scheduled to be released?
Their site is located at www.qth.com/patcommradio
check it out.
Thanks
Scott

Date: Mon, 27 Sep 1999 17:00:53 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [51454] Re: Of keys, paddles, and keying modes.
Message-ID: <37EFDB05.249DD0E6@rit.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Bill Todd wrote:

>
> >will it be ok if I put a magnet and coil on the bug and
> >use that to charge the keyer battery :) :)

I've often wondered what it would take to make a "wind-up" keyer.
Something like a bug, but that used a spring-driven clock movement to
drive the contacts.

Any of you mechanical geniuses game to try it?

Dave

--
Dave Hinerman WD8CIV
Ontario, NY Grid FN13IF
dlh1009@rit.edu

Date: Mon, 27 Sep 1999 16:55:12 -0500
From: "John Burnley" <burnleyia@home.com>
To: <IaQRP-L@divis17.ped-gen.uiowa.edu>, <qrp-l@lehigh.edu>
Subject: [51455] West Liberty Hamfest Correction
Message-ID: <001901bf0932\$f9f597e0\$1b790818@c149522-a.west1.ia.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I can't believe I did this but I sent the wrong date for the hamfest. It is Sunday, October 3 as I earlier posted. My apologies to all. I knew the right date but must have had another senior moment. Sorry about that. Thanks to all who caught it.

72, John NU0V

Date: Mon, 27 Sep 1999 15:03:04 -0700
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu, dlh1009@ritvax.isc.rit.edu
Subject: [51456] Re: Of keys, paddles, and keying modes.
Message-ID: <37EFE997.50B62FA1@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dave Hinerman WD8CIV wondered:

>I've often wondered what it would take to make a "wind-up" keyer.
>Something like a bug, but that used a spring-driven clock movement to
>drive the contacts.

I think there once was one that wound up. I'd like one please, with fries. Wouldn't that be nice, your local Fast Ham outlet! Order what you want, drive thru!

Oh, I'm tangential again....

I was thinking, with all these super low power drain keyers out there, "Get 40 years off 1 battery etc", It seems there ought to be a little wind-up generator on them. They would never run out of juice. And a baby solar trickle supply like on those cheap calculators at the drug store. Hey, for \$4.99 you get a complete powersupply for one of these little keyers. Wonder if the voltage/current matches up?

72,

--

-Ed AR Millennium Q's=>1200/2000 QRP-L#1068 Old NC#2227
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275

Date: Mon, 27 Sep 1999 17:08:58 -0500
From: "Dennis Payton" <dpayton@fwi.com>
To: <qrp-1@Lehigh.EDU>
Subject: [51457] Poor Man's Paddle (advertisement)
Message-ID: <014e01bf0934\$e75acc20\$d8a854d1@locke>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I still have several of the "Poor Man's Paddle" kits left. If you're not familiar with it, it's a simple paddle design made from PC board, picture mounting tape, and momentary switches that mounts on top of an Altoids box. It was in the July '99 QST and is my attempt to design the cheapest, easiest to build paddle possible, without compromising comfort and dependability. Although I've not received a tremendous amount of feedback from people who've purchased the kits, all of the comments I've received have been positive - and I've had quite a few repeat customers.

Your initial impression about using switches (like in your computer mouse, but softer) might not be very good, but they can be adjusted past the clicking action to where just barely touching the paddles actuates them. They've proven to be very dependable and sending fast clean code is no problem. I know I'm biased, but it appears to me that they're a better paddle than any of the lower cost paddles that I've tried. Plus for portable use they can be removed from the base and carried in a second Altoids box.

The kit includes everything you need except a chord, the Altoids box, and the weight (I use pennies). The tools you'll need are tin snips or something to cut out the pieces, a file, a small drill, sandpaper, and your soldering iron. If you don't like the "Altoids" look, one idea is to spray the box with artificial granite paint, then paint the paddles. The project doesn't need to take more than an evening to build and in my humble opinion will net you a very nice paddle.

In the US you can send a business size SASE with two stamps and \$2 to:

Denny Payton, N9JXY
1305 Kiblinger Place
Auburn, IN
46706

For DX please send \$4 with your name and address and I'll furnish the envelope.

As you might notice, this is not a for-profit endeavor. I just want to share

the idea. I wouldn't recommend building them without getting the parts from me unless you make sure the switches are 100gf, the PC board is fiberglass, and the "foam strips" called for in the article is actually cheap picture mounting tape like you find at your local Walmart. If you don't get QST you can see a picture at <http://www.mars.dti.ne.jp/~je2cdc/pmp.html> .

Denny Payton, N9JXY
Auburn, IN

Date: Tue, 28 Sep 1999 08:16:20 +1000
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [51458] Re: DX...he's lookoing for Mt, Id, Wy, and Ut.
Message-ID: <37EFECB4.B8AC3B1D@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Clifton W Sikes wrote:

> 5Z4IC, in Kenya. His name is Ian.

must be a champion.

> between 1600-1800 UTC. Ian is a great operator

there the similarity ended.

SORRY

73's

Ian Purdie
VK2TIP "I'll give you the TIP mate"
QRP-L member #1978.
URL - <http://www.integritynet.com.au/~purdic/>
URL - <http://www.qsl.net/vk2tip/>

Date: Tue, 28 Sep 1999 08:20:27 +1000

From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [51459] OT: Blowing one's own trumpet
Message-ID: <37EFEDAB.6ADB35A7@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This is a typical daily/weekly email regarding my tutorial pages:

Larry Webster wrote:

> Dear Ian, Yes, I have made it this far. Fascinating stuff. I have
> been taught electronics before but not like this. The information is
> so easily understood. The would be excellent info for novice to
> middle level people who understand electroincs. Don't loose heart,
> keep up the fine work old boy. Larry.

Not too sure about the 0B bit.

--

73's

Ian Purdie
VK2TIP "I'll give you the TIP mate"
QRP-L member #1978.
URL - <http://www.integritynet.com.au/~purdic/>
URL - <http://www.qsl.net/vk2tip/>

Date: Mon, 27 Sep 1999 15:25:07 -0700
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu
Subject: [51460] Painting Success story.
Message-ID: <37EFEEC3.305FE99C@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang, it was 1997 when Norcal had the great norcal paddle
kit. I got one and built it soon afterwards.

I've heard some report on their painting experiences and
repainting as well. I just have to say, after nearly
2 years of being "out in the open" on the shack table,

moved/boxed/unboxed and placed in a position for all to see again, this paddle still looks great.

Since the paint is holding up so well I just wanted to say, if you ever need to paint something, here's what I did: (See qrp-l archives for original posts)

Edited from Oct. 31, 1997 and 11/05/1997:

Preparation: Sandpaper, wash and dry then:

On the ferrous metal to be painted, apply a thin coat of nail polish.

It dried VERY hard and easily sanded flat. Now have added a top coat of aluminum containing paint and it dried smooth too! The topcoat appears to adhere very well to the nailpolish and probably won't scratch off. (We'll see...)

The Drake TR-3 generates sufficient heat to BAKE any object placed on top. So the base has been cooked well.

A cotton swab is used with thinner, to remove traces of my stupidity from the top of the Drake :)

I have been informed that "Bogota Blackberry", is not EXTRA nail polish for my project! -- So shouts the XYL!

True, all true.

Edited from my 11/05/1997 posting:

Painting: I avoid spray paint so developed this method that is beautiful. After thoroughly stirring your paint, us an old pillow case, wrap a single thickness section around your index finger. Obtain a drop or two of paint by breaking the surface of the paint with your cloth covered finger.

Beginning at the far upper left of the base top, begin gently patting up and down with the whetted cloth covered finger. A smooth, yet slightly coarse finished looking coating begins to shape up. Keep dipping into the paint and daubing the base until it is completely covered. Let dry. Apply 3 or more coats as necessary.

Result: Looks like a nice powder coat and only uses about fifteen cents of paint! No left over spray can, eh?

Finish: I used 6 coats of Acrylic spray laquer. Looks nice.

Summary:

I used Hard Fingernail polish as a base coat (Bogota blackberry).

My xyl says to 'ask' next time --HI!

Sanded that down flat and put three to 5 coats of
Rustoleum 'Aluminum' paint. Real Aluminum is in this paint.

With the Brass hardware and the Silver looking Aluminum paint
the paddle has a Silver and Gold look to it. I Finished the
paddle with 4 or 5 coats of clear acrylic Krylon spray paint.

Gang, this really holds up.

All my best, Ed/we6w "72"

--

-Ed AR Millennium Q's=>1200/2000 QRP-L#1068 Old NC#2227
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275

Date: Mon, 27 Sep 1999 17:25:43 -0500
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [51461] Re: Milliwatters on 20m
Message-ID: <003501bf0937\$3d59a680\$8637a497@aa5tb>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

'Tis true. The absorption levels are at a minimum just below the MUF
(Maximum Useable Frequency). Of course the MUF drops in frequency after
sunset. As the MUF "falls" through a given band signals will peak just
before fading into oblivion. If timed correctly a milliwatter can use this
phenomenon to his or her advantage as Chuck has described.

Long transmissions can lead to lost QSO's though.

73,

Steve Yates - AA5TB

Fort Worth, TX - EM12gs

<http://home.swbell.net/aa5tb>

Date: Mon, 27 Sep 1999 18:40:37 -0400
From: "Dieter Gentzow WB8QYY" <wb8qyy@one.net>
To: <elecraft@qth.net>
Cc: <qrp-1@Lehigh.EDU>
Subject: [51462] capacitive touch paddles
Message-ID: <000e01bf0939\$52bf5540\$0102030a@amd300>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I received lots of feedback from folks when I inquired about capacitive touch paddles. Some of you even sent me parts. Thanks to everyone. I came up with a circuit that was originally designed for touch drums. A small mod and it works great with the K2. Pix & schematic is at <http://w3.one.net/~gentzow/paddles.htm>

Hope this is usefull for others.

72

Dieter (DIZ) Gentzow - WB8QYY
Loveland, Ohio
FPqrp#1 QRP-L#1998 10-X#9389 K2#493
<http://w3.one.net/~gentzow/wb8qyy.htm>

Date: Mon, 27 Sep 1999 17:38:24 -0500 (EST)
From: igeq100@iupui.edu
To: David Hinerman <dlh1009@ritvax.isc.rit.edu>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [51463] Re: Of keys, paddles, and keying modes.
Message-ID: <Pine.HPP.3.96.990927173636.6207B-100000@ruby.iupui.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Dave -

In the category of "nothing new under the sun", it's been done. Check out some of the key collector and museum sites on the web.

73,

Richard Meiss, WB9LPU

On Mon, 27 Sep 1999, David Hinerman wrote:

> Bill Todd wrote:
> >
> > >will it be ok if I put a magnet and coil on the bug and
> > >use that to charge the keyer battery :) :)
>
> I've often wondered what it would take to make a "wind-up" keyer.
> Something like a bug, but that used a spring-driven clock movement to
> drive the contacts.
>
> Any of you mechanical geniuses game to try it?
>
> Dave
>
> --
> Dave Hinerman WD8CIV
> Ontario, NY Grid FN13IF
> dlh1009@rit.edu
>

Date: Mon, 27 Sep 1999 18:49:33 -0400
From: Michael Bower <bowerm@ix.netcom.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [51464] Re: Fw: Of keys, paddles, and keying modes.
Message-ID: <37EFF47D.B3BFA9D8@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

In one of my recent reads, I saw mention of a good article on the net about Iambic A and B modes. But darned if I can remember where I saw it. Does anybody know what this link might be?

TIA

Michael - N4NMR

Date: Mon, 27 Sep 1999 17:48:12 -0500
From: David Gauding <david.gauding@bbs.galilei.com>

To: qrp-1@lehigh.edu
Subject: [51465] re: random wire vertical (more)
Message-ID: <1.5.4.32.19990927224812.009b2c70@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello Neil, WA4CHQ!

Hmmm! Don't know what to suggest to improve the performance of your Random Wire Vertical on a sailboat. I experimented with the add-on coils years ago but can't recall in detail how it affected the antenna. Finally went back to the basic design because it worked okay from 10-40M as conceived.

Do want to mention that the RWV was designed first and foremost as a quick set-up/knockdown portable vertical antenna for a veteran cliffdweller. Me! I used it religiously from 1984 until the St. Louis Vertical project evolved in 1996. Got tired of being dependent on trees to get a wire up in the air and driving a long way to get at them.

Setting out single wire radials on each portable excursion took too much time away from operating. I compromised with the floating shield feedline solution.

Didn't log a lot of rare DX every time I fired up the RWV but had fun. Many signals seem to run into a 33.5' piece of resonant aluminum sticking straight up. And, the basic support installs in five minutes flat when I have my act together. Taking bets anytime and giving odds. Bring cash! <g>

Max safe extension for an RWV is 42' with a single guying assembly at the 6' level. This is also a 5/8 wave on 20M and seems to do well over a ground plane. Can extend it to 52-54' at the tip with additional small diameter tubing and a second guying assembly.

So with the extra height in mind the RWV serves ably as an antenna support for lightweight wires. And, I have used two to make a bi-square or vertical beam on 40M. Around these parts the taller tube sets are known as the "Nose Hair Special". It reflects the characteristic position of onlookers standing at the base. <g>

However, over a good set of radials the antenna version does okay. The St. Louis QRP Society used it for Field Day as a good 'ol half-wave on 20M. It was parked over a dozen early model St. Louis Radial ribbons. That put about a 1200' of wire right under the antenna. Still remember guys stopping by after dark to run a little CW and then lookin' around for the beam! <g> True story!

The latest re-incarnation if the RWV is an upgraded tube-set with a 33.5' extension. Got these tubes from Texas Towers. On top of the aluminum sits

one of the ubiquitous collapsible fiberglass poles. That puts the tip of the SD-20 right at 52'. This is a portable design and can be set-up by one person after a little practice.

The new "St. Louis Shaft" easily supports a St. Louis Express vertical for 10-40M or a full-size St. Louis Doublet for 10-80M. And, up where an antenna can do some good. The SLS article is underway but won't be done until spring. I believe in field testing everything in real fields!

Finally, hoping the RWV eventually works on your boat installation too. Wondering if you have tried loading the backstay alone using the floating shield feedline? Which is what I really meant to ask at the beginning of this epic but obviously got sidetracked honking my horn.

Good luck,

de Dave, NF0R nf0r@slacc.com

End of QRP-L Digest 1591

